Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Apr 18, 2014
Ed Kearns, Acting Chief
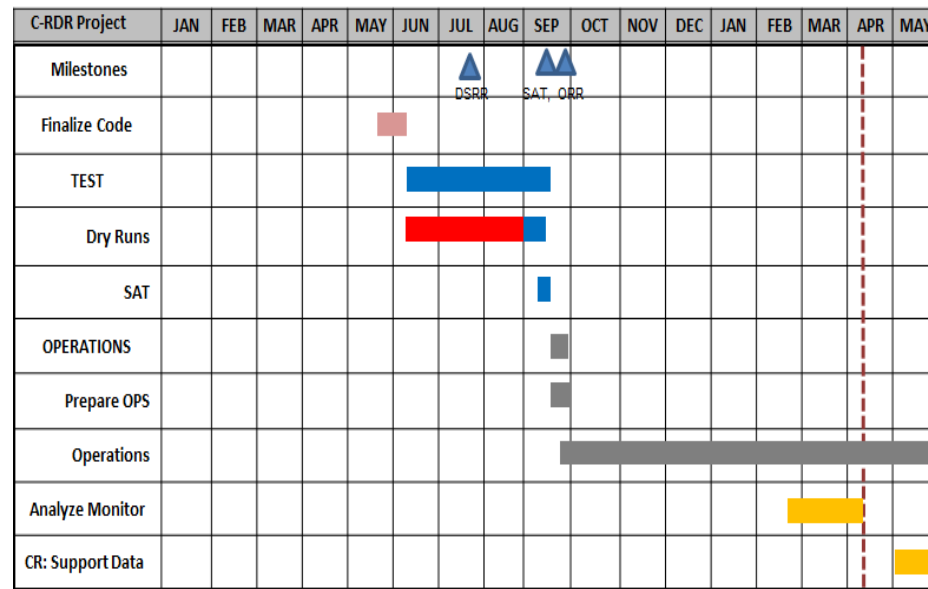
Weekly Report – April 18, 2014
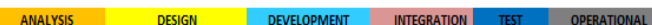
VIIRS

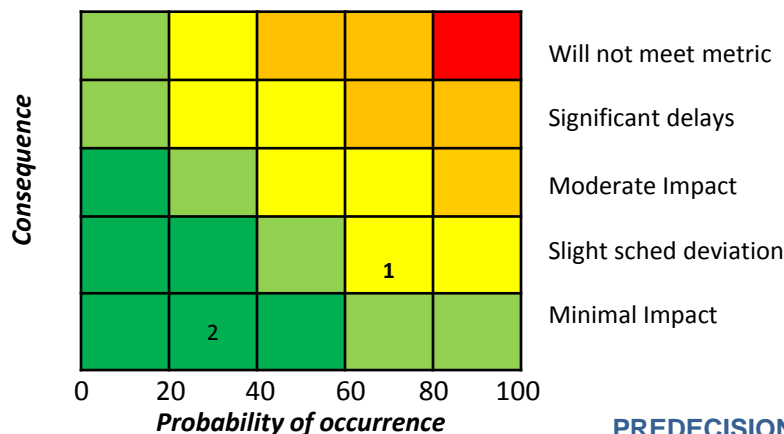① • Completed code for C-RDR.

System Infrastructure

② • Integrating with the VIIRS C-RDR.

- **Prototype of graph database for C-RDR and OPS monitoring.**
- **Working on Project Plan for monitoring.**
- **Updating the C-RDR Design Description.**
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment .
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- Will deliver initial version with ADL 3.1.

Gantt chart — C-RDR Project schedule (JAN–MAY) with rows: Milestones (DSRR; SAT, ORR), Finalize Code, TEST, Dry Runs, SAT, OPERATIONS, Prepare OPS, Operations, Analyze Monitor, CR: Support Data.

R2O PHASE: ANALYSIS | DESIGN | DEVELOPMENT | INTEGRATION | TEST | OPERATIONAL

Risk Matrix

Consequence (vertical axis): Will not meet metric / Significant delays / Moderate Impact / Slight sched deviation (contains "1") / Minimal Impact (contains "2"). Probability of occurrence (horizontal axis): 0 20 40 60 80 100
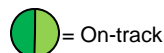
Risk and Mitigation

VIIRS –
• Operational software is under maintenance, updated versions may affect C-RDR ported version. Will affect Supporting Data Files but should not affect C-RDR.
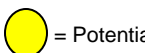
System Infrastructure –
Reliability of NPP RDRs from CLASS via subscription. Need to develop an automated mechanism for re-requesting data.
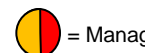
PREDECISIONAL DRAFT INFORMATION

= On-track   = Potential management action required   = Management attention required

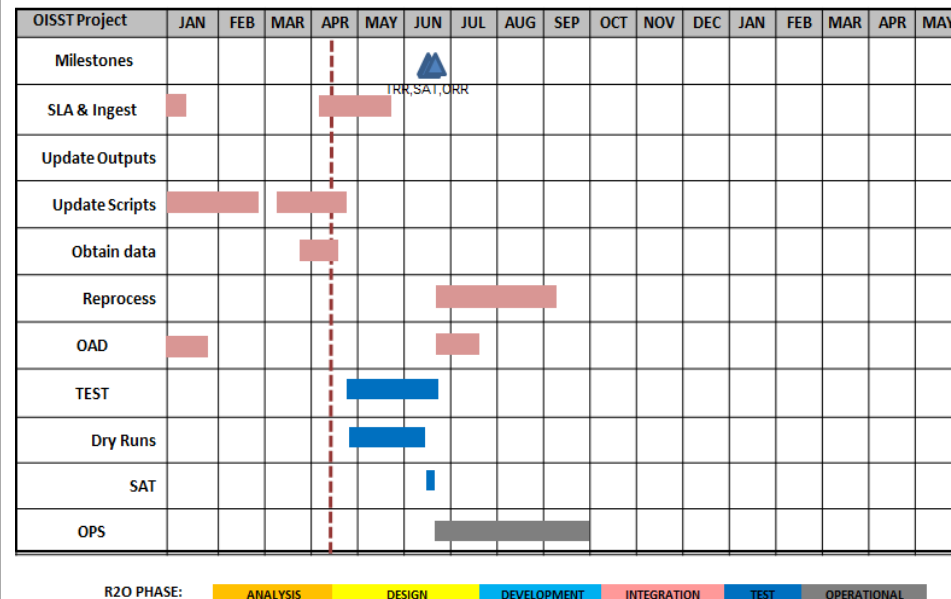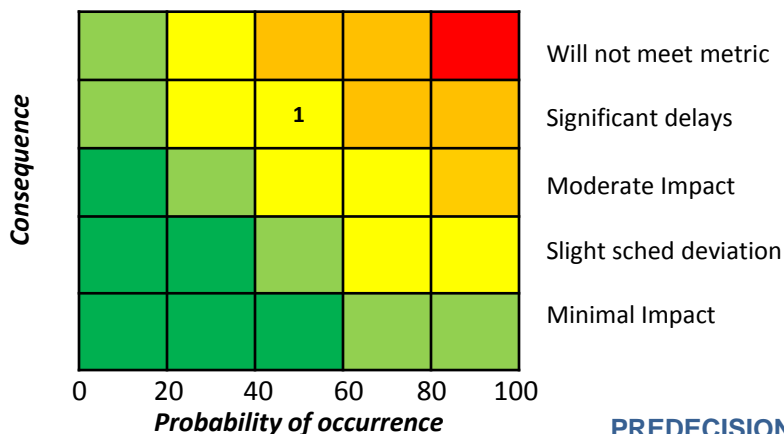## Weekly Report – April 18, 2014

1 **OISST – Optimum Interpolated Sea Surface Temperature**

- **Testing the forward processing scripts with new directory structure.**
- **Updating reprocessing scripts with new directory structure.**
- **Updating output format to GHRSST 2.**
- **Updating draft SLA returned from DO.**
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
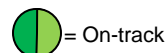- Conducted Technology Assessment Review July 25.

Operations:

OISST Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones						▲ TRR,SAT,ORR											
SLA & Ingest	▬			▬													
Update Outputs																	
Update Scripts	▬		▬														
Obtain data				▬													
Reprocess							▬										
OAD	▬						▬										
TEST				▬													
Dry Runs				▬													
SAT						▮											
OPS							▬▬▬										

R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

Risk Matrix

Consequence (y-axis):
- Will not meet metric
- Significant delays **1**
- Moderate Impact
- Slight sched deviation
- Minimal Impact

Probability of occurrence (x-axis): 0 20 40 60 80 100

Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION

4/21/2014

🟢 = On-track   🟡 = Potential management action required   🟠 = Management attention required